



Preaward Compliance Review Report for All Applicants and Recipients Requesting EPA Financial Assistance

Note: Read Instructions before completing form.

I. A. Applicant/Recipient (Name, Address, City, State, Zip Code)

Name:

Address:

City:

State: Zip Code:

B. Unique Entity Identifier (UEI):

C. Applicant/Recipient Point of Contact

Name:

Phone:

Email:

Title:

II. Is the applicant currently receiving EPA Assistance? ☒ Yes ☐ No

III. List all pending civil rights lawsuits and administrative complaints filed under federal law against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that alleged discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective actions taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

V. List all civil rights compliance reviews of the applicant/recipient conducted under federal nondiscrimination laws by any federal agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))

VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.

☐ Yes ☒ No

a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).

☐ Yes ☐ No

b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. 7.70) applies.

- VII. Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its program or activities? (40 C.F.R 5.140 and 7.95) ☒ Yes ☐ No
- a. Do the methods of notice accommodate those with impaired vision or hearing? ☒ Yes ☐ No
- b. Is the notice posted in a prominent place in the applicant's/recipient's website, in the offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications? ☒ Yes ☐ No
- c. Does the notice identify a designated civil rights coordinator? ☒ Yes ☐ No
- VIII. Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or disability status of the population it serves? (40 C.F.R. 7.85(a)) ☒ Yes ☐ No
- IX. Does the applicant/recipient have a policy/procedure for providing meaningful access to services for persons with limited English proficiency? (Title VI, 40 C.F.R. Part 7, *Lau v Nichols* 414 U.S. (1974)) ☒ Yes ☐ No
- X. If the applicant is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.

Mandy Purvis, Office Director II - Human Resources Director; P.O. Box 2249, Jackson, MS 39225; mpurvis@mdeq.ms.gov; FAX #: 601-961-5743; telephone # 601-961-5043

- XI. If the applicant is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or applicant's/recipient's website address for, or a copy of, the procedures.

See attached agency policy

For the Applicant/Recipient

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official

Ginny Mizelle

B. Title of Authorized Official

Executive Director

C. Date

03/24/2022

For the U.S. Environmental Protection Agency

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. *Signature of Authorized EPA Official

B. Title of Authorized Official

C. Date

General. Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment). Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities. Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities. The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission. Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution. 40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972. 40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973.

Items "Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25.

"Recipient" means any State or its political subdivision, any instrumentality of a State or its political subdivision, any public or private agency, institution, organizations, or other entity, or any person to which Federal financial assistance is extended directly or through another recipient, including any successor, assignee, or transferee of a recipient, but excluding the ultimate beneficiary of the assistance. 40 C.F.R. §§ 5.105, 7.25.

"Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed. "Civil rights compliance review"

means: any federal agency-initiated investigation of a particular aspect of the applicant's and/or recipient's programs or activities to determine compliance with the federal non-discrimination laws. Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission. If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable." In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification.

Project Narrative File(s)

* **Mandatory Project Narrative File Filename:**

Add Mandatory Project Narrative File

Delete Mandatory Project Narrative File

View Mandatory Project Narrative File

To add more Project Narrative File attachments, please use the attachment buttons below.

Add Optional Project Narrative File

Delete Optional Project Narrative File

View Optional Project Narrative File

Other Attachment File(s)

* Mandatory Other Attachment Filename:

To add more "Other Attachment" attachments, please use the attachment buttons below.



EPA KEY CONTACTS FORM

OMB Number: 2030-0020
Expiration Date: 06/30/2024

Authorized Representative: *Original awards and amendments will be sent to this individual for review and acceptance, unless otherwise indicated.*

Name:	Prefix:	<input type="text"/>	First Name:	<input type="text" value="Chris"/>	Middle Name:	<input type="text"/>
	Last Name:	<input type="text" value="Wells"/>			Suffix:	<input type="text"/>
Title:	<input type="text" value="Executive Director"/>					
Complete Address:						
Street1:	<input type="text" value="515 East Amite Street"/>					
Street2:	<input type="text" value="P.O. Box 2261"/>					
City:	<input type="text" value="Jackson"/>	State:	<input type="text" value="MS: Mississippi"/>			
Zip / Postal Code:	<input type="text" value="39225-2261"/>	Country:	<input type="text" value="USA: UNITED STATES"/>			
Phone Number:	<input type="text" value="601-961-5000"/>			Fax Number:	<input type="text"/>	
E-mail Address:	<input type="text" value="cwells@mdeq.ms.gov"/>					

Payee: *Individual authorized to accept payments.*

Name:	Prefix:	<input type="text"/>	First Name:	<input type="text" value="Ginny"/>	Middle Name:	<input type="text"/>
	Last Name:	<input type="text" value="Mizelle"/>			Suffix:	<input type="text"/>
Title:	<input type="text"/>					
Complete Address:						
Street1:	<input type="text" value="515 East Amite Street"/>					
Street2:	<input type="text"/>					
City:	<input type="text" value="Jackson"/>	State:	<input type="text" value="MS: Mississippi"/>			
Zip / Postal Code:	<input type="text" value="39225"/>	Country:	<input type="text" value="USA: UNITED STATES"/>			
Phone Number:	<input type="text" value="601-961-5381"/>			Fax Number:	<input type="text"/>	
E-mail Address:	<input type="text" value="gmizelle@mdeq.ms.gov"/>					

Administrative Contact: *Individual from Sponsored Programs Office to contact concerning administrative matters (i.e., indirect cost rate computation, rebudgeting requests etc).*

Name:	Prefix:	<input type="text"/>	First Name:	<input type="text" value="Katrina"/>	Middle Name:	<input type="text"/>
	Last Name:	<input type="text" value="Smith"/>			Suffix:	<input type="text"/>
Title:	<input type="text"/>					
Complete Address:						
Street1:	<input type="text" value="700 North State Street"/>					
Street2:	<input type="text"/>					
City:	<input type="text" value="Jackson"/>	State:	<input type="text" value="MS: Mississippi"/>			
Zip / Postal Code:	<input type="text" value="39225"/>	Country:	<input type="text" value="USA: UNITED STATES"/>			
Phone Number:	<input type="text" value="601-961-5631"/>			Fax Number:	<input type="text"/>	
E-mail Address:	<input type="text" value="kysmith@mdeq.ms.gov"/>					

EPA KEY CONTACTS FORM

Project Manager: *Individual responsible for the technical completion of the proposed work.*

Name: **Prefix:** **First Name:** **Middle Name:**

Last Name: **Suffix:**

Title:

Complete Address:

Street1:

Street2:

City:

State:

Zip / Postal Code:

Country:

Phone Number:

Fax Number:

E-mail Address:

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 02/28/2022

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Special Purpose Activities Relating to the Clean Air Act	66.034	\$	\$	500,000.00	\$	500,000.00
2.						
3.						
4.						
5. Totals		\$	\$	500,000.00	\$	500,000.00

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SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	Special Purpose Activities Relating to the Clean Air Act				
a. Personnel	\$ 146,093.00	\$	\$	\$	\$ 146,093.00
b. Fringe Benefits	48,941.00				48,941.00
c. Travel	25,230.00				25,230.00
d. Equipment	89,500.00				89,500.00
e. Supplies	5,985.00				5,985.00
f. Contractual	89,036.00				89,036.00
g. Construction	0.00				0.00
h. Other	0.00				0.00
i. Total Direct Charges (sum of 6a-6h)	404,785.00				\$ 404,785.00
j. Indirect Charges	95,215.00				\$ 95,215.00
k. TOTALS (sum of 6i and 6j)	\$ 500,000.00	\$	\$	\$	\$ 500,000.00
7. Program Income	\$ 0.00	\$	\$	\$	\$ 0.00

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SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	Special Purpose Activities Relating to the Clean Air Act	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
9.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
12. TOTAL (sum of lines 8-11)		\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>

SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
14. Non-Federal	\$ <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15. TOTAL (sum of lines 13 and 14)	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program		FUTURE FUNDING PERIODS (YEARS)			
		(b)First	(c) Second	(d) Third	(e) Fourth
16.	Special Purpose Activities Relating to the Clean Air Act	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
17.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
18.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
19.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
20. TOTAL (sum of lines 16 - 19)		\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>

SECTION F - OTHER BUDGET INFORMATION	
21. Direct Charges: <input type="text"/>	22. Indirect Charges: <input type="text"/>
23. Remarks: <input type="text"/>	

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Application for Federal Assistance SF-424

*** 1. Type of Submission:**

- ☐ Preapplication
☒ Application
☐ Changed/Corrected Application

*** 2. Type of Application:**

- ☒ New
☐ Continuation
☐ Revision

*** If Revision, select appropriate letter(s):**

*** Other (Specify):**

*** 3. Date Received:**

03/24/2022

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

*** a. Legal Name:** Mississippi Department of Environmental Quality

*** b. Employer/Taxpayer Identification Number (EIN/TIN):**

64-0629297

*** c. UEI:**

W5BGFCYALNM6

d. Address:

*** Street1:** 515 East Amite Street

Street2: P.O. Box 2261

*** City:** Jackson

County/Parish:

*** State:** MS: Mississippi

Province:

*** Country:** USA: UNITED STATES

*** Zip / Postal Code:** 39225-2261

e. Organizational Unit:

Department Name:

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix: *** First Name:** Melissa

Middle Name:

*** Last Name:** Fortenberry

Suffix:

Title:

Organizational Affiliation:

*** Telephone Number:** 601-961-5556

Fax Number:

*** Email:** mfortenberry@mdeq.ms.gov

Application for Federal Assistance SF-424

* 9. Type of Applicant 1: Select Applicant Type:

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

* 10. Name of Federal Agency:

Environmental Protection Agency

11. Catalog of Federal Domestic Assistance Number:

66.034

CFDA Title:

Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities
Relating to the Clean Air Act

* 12. Funding Opportunity Number:

EPA-CEP-01

* Title:

EPA Mandatory Grant Programs

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

* 15. Descriptive Title of Applicant's Project:

Enhanced Air Quality Monitoring - Cherokee Community

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424**16. Congressional Districts Of:**

* a. Applicant

04

* b. Program/Project

SW

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date:

11/01/2022

* b. End Date:

10/31/2025

18. Estimated Funding (\$):

* a. Federal

500,000.00

* b. Applicant

0.00

* c. State

0.00

* d. Local

0.00

* e. Other

0.00

* f. Program Income

0.00

* g. TOTAL

500,000.00

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**☐ a. This application was made available to the State under the Executive Order 12372 Process for review on☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.☒ c. Program is not covered by E.O. 12372.*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes☒ No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix:

* First Name:

Chris

Middle Name:

* Last Name:

Wells

Suffix:

* Title:

Executive Director

* Telephone Number:

601-961-5000

Fax Number:

* Email:

cwells@mdeq.ms.gov

* Signature of Authorized Representative:

Ginny Mizelle

* Date Signed:

03/24/2022

Section 5 – Quality Assurance Statement (5 total possible points)

MDEQ's quality assurance system includes developing and/or adopting EPA approved Standard Operating Procedures (SOPs) and Quality Assurance Project Plans (QAPPs) for the collection of any environmental samples, including samples of ambient air. Written SOPs are developed for the operation and maintenance of all equipment, sample collection and management, and data handling and reporting. Written QAPPs are developed to identify project goals, procedures for completing project tasks, equipment and analytical methods to be used, and staff responsible for completing each task. All tasks are included in the QAPP, whether related to project staff or project managers. Written QAPPs ensure processes, procedures, and duties are clearly defined to ensure project success. That same quality management system used throughout MDEQ will be used during this project to obtain useful, high-quality data.

The Project Manager is ultimately responsible for all quality assurance (QA) and quality control (QC) aspects of this project. The Project Manager will have direct access to the MDEQ Executive Director on all matters relating to the overall operation of the air monitoring project. In addition, the Project Manager has "stop work authority" and will make final decisions regarding all project related issues. The Project Manager's duties include, but are not limited to the following:

- Developing, managing, and reviewing project budgets, contracts, and personnel time
- Ensuring all aspects of the project are carried out including community engagement, data publication, and periodic progress reports, as required by the grant
- Assuring an up-to-date quality management system is maintained
- Oversight of QA activities

The automatic, continuous, Federal Equivalent Method PM₁₀ monitoring instrument (i.e., the Teledyne API T640X) will be operated and data collected and handled in accordance with all established procedures for MDEQ's continuous PM ambient air quality monitoring network. Existing, EPA accepted SOPs related to operation of the Teledyne API T640X will be used. MDEQ's approved QAPP for Ambient Air Quality Monitoring of Criteria and Multi-Pollutants (NCORE) currently includes QA and QC information regarding operation of Teledyne API T640X instruments and associated data handling procedures. This QAPP will be modified, as necessary, to include additional information specific to the operation, maintenance, or data collection of the Teledyne API T640X at this project site. The PM₁₀ Field Operations Coordinator and QA/QC Manager will be responsible for the oversight of all PM₁₀ monitoring QA and QC activities such as audits, calibrations, verifications, routine self-assessments, etc.; however individual QA and QC tasks will be carried out by the PM₁₀ Field Operations Staff. All data collected will be processed and reported using the same criteria employed throughout MDEQ's continuous PM ambient air quality monitoring network.

A separate QAPP will be developed for monitoring all other pollutants (i.e., VOCs, methane, and reduced sulfur compounds) in this project. Sampling equipment for monitoring these pollutants will be rented during the data collection portion of the project. The contractor will be required to provide on-site installation and setup, sampler certification, SOPs for sampler operation and sample handling, and staff training. Sample analysis will be completed by a contract laboratory. The contract laboratory will be required to provide MDEQ with clean, evacuated canisters for deployment. After sample collection, the canisters will be returned to the laboratory for sample analysis, data validation, and timely reporting. Quality Control aspects of sample collection and handling will be overseen by the Air Toxics Field Operations Coordinator and QA/QC Manager. All aspects of QC related to sampling equipment (i.e.,

calibrations, checks, etc.) and sampling analysis will be the responsibility of the contractor(s). MDEQ will ensure that all contractors have an acceptable QA/QC system in place prior to entering into any contract.

Dr. JAY WILLIS
MAYOR

MICHAEL SILVERMAN
CITY MANAGER



CITY COUNCIL

MICHAEL HYDE	Councilman, Ward 1
FELIX FORNETT, SR.	Councilman, Ward 2
Dr. JOHNNY WALKER	Councilman, Ward 3
MATT PARKER	Councilman, Ward 4
CHRIS BLYTHE	Councilman, Ward 5
PATRICK GATCHELL	Councilman at Large

503 WATTS AVE. • P.O. DRAWER 908
PASCAGOULA, MS 39568-0908 • TELEPHONE 228-762-1020
FAX 228-372-6851

March 1, 2022

Melissa Fortenberry
Air Division Chief
Mississippi Department of Environmental Quality
515 East Amite Street
Jackson, MS 39201

RE: PARTNERSHIP WITH MDEQ ON CHEROKEE AIR MONITORS

Dear Ms. Fortenberry:

We are supportive of your funding request to the Environmental Protection Agency to provide air monitoring equipment for the Cherokee area within the City of Pascagoula. If the Mississippi Department of Environmental Quality does secure funding from the Environmental Protection Agency we will partner with your agency in the following ways:

- Offer potential locations for placing the air monitors.
- Assist with communicating to the public about these air monitors.

Thank you for all the great work that your agency provides for the Mississippi Coast. Should you need any more information please do not hesitate to contact me.

Sincerely,

Michael Silverman
Pascagoula City Manager

JACKSON COUNTY BOARD OF SUPERVISORS

POST OFFICE BOX 998 | PASCAGOULA, MS 39568 | WWW.CO.JACKSON.MS.US



BARRY CUMBEST

District One
2915 Canty Street
Pascagoula, MS 39567
228-769-3403
877-542-0976 Toll Free
228-769-3475 Fax
Barry_Cumbest@co.jackson.ms.us

ENNIT MORRIS

District Two
2500 Criswell Avenue
Pascagoula, MS 39567
228-769-3170
228-762-6578 Fax
Ennit_Morris@co.jackson.ms.us

KENNETH TAYLOR

District Three
2915 Canty Street
Pascagoula, MS 39567
228-762-7641
228-769-3363 Fax
Ken_Taylor@co.jackson.ms.us

J. TROY ROSS

District Four
2915 Canty Street
Pascagoula, MS 39567
228-769-3457
877-542-0975 Toll Free
228-769-3482 Fax
Troy_Ross@co.jackson.ms.us

RANDY BOSARGE

District Five
2915 Canty Street
Pascagoula, MS 39567
228-769-3378
228-696-6500 Fax
Randy_Bosarge@co.jackson.ms.us

Gateway to the
Mississippi Gulf Coast



March 21, 2022

Melissa Fortenberry
Air Division Chief
Mississippi Department of Environmental Quality
P.O. Box 2261
Jackson, MS 39225

RE: Air Quality Monitoring in the Cherokee Community of Pascagoula, Mississippi

Dear Ms. Fortenberry:

The Jackson County Board of Supervisors supports the Mississippi Department of Environmental Quality's (MDEQ) funding request to EPA under the ARPA to evaluate air quality in the Cherokee Community of Pascagoula, MS by conducting air monitoring in the area for approximately one year. Jackson County will gladly partner with MDEQ in the following project areas should you receive funding for the project:

- Provide input regarding potential locations for deploying monitor(s) based on site availability, accessibility, and proximity to local industry
- Provide input on the development of a detailed plan for community engagement that ensures community awareness and the opportunity to provide feedback throughout the lifetime of the project.
- Assist with communicating project information to the public and participate in community engagement activities to the extent desired and outlined in the community engagement plan.
- Provide project awareness to local police and officials to assist in identifying and/or deterring tampering with the monitoring site, to the extent practicable

If you have any questions, please feel free to contact me or our County Administrator, Brian Fulton at 228-769-3089.

Sincerely,

A handwritten signature in cursive script, reading "Randy Bosarge".

Randy Bosarge
President



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

COGNIZANT AGENCY
NEGOTIATION AGREEMENT

Page 1 of 2

State of Mississippi
Department of Environmental Quality
Jackson, Mississippi

Date: April 23, 2021

Filing Ref: July 9, 2020

The indirect cost rates contained herein are for use on grants and contracts with the Federal Government to which Office of Management and Budget Circular 2 CFR Part 200 applies, subject to the limitations contained in the Circular and in Section II, A below.

SECTION I: RATES

Type FIXED:	Effective Period		Rate	Base
	From	To		
Office of Pollution Control	7/1/2021	6/30/2022	48.82%	(a)
Office of Land & Water	7/1/2021	6/30/2022	57.21%	(a)
Office of Geology	7/1/2021	6/30/2022	74.49%	(a)
Environmental Resource Center	7/1/2021	6/30/2022	17.82%	(a)

Basis for Application:

(a) Direct salaries and wages plus applicable fringe benefits.

Treatment of Fringe Benefits: Fringe benefits applicable to direct salaries and wages are treated as direct costs.

SECTION II: GENERAL

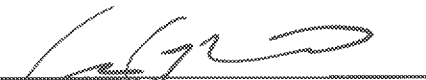
- A. LIMITATIONS: The rates in this Agreement are subject to any statutory and administrative limitations and apply to a given grant, contract or other agreement only to the extent that funds are available. Acceptance of the rates is subject to the following conditions: (1) Only costs incurred by the department/agency or allocated to the department/agency by an approved cost allocation plan were included in the indirect cost pool as finally accepted; such costs are legal obligations of the department/agency and are allowable under governing cost principles; (2) The same costs that have been treated as indirect costs have not been claimed as direct costs; (3) Similar types of costs have been accorded consistent accounting treatment; and (4) The information provided by the department/agency which was used to establish the rates is not later found to be materially incomplete or inaccurate by the Federal Government. In such situations the rate(s) would be subject to renegotiation at the discretion of the Federal Government.

- B. CHANGES. The fixed rate contained in this agreement is based on the organizational structure and the accounting system in effect at the time the proposal was submitted. Changes in the organizational structure or changes in the method of accounting for costs which affect the amount of reimbursement resulting from use of the rate in this agreement, require the prior approval of the authorized representative of the responsible negotiation agency. Failure to obtain such approval may result in subsequent audit disallowances.
- C. THE FIXED RATE contained in this agreement is based on an estimate of the cost which will be incurred during the period for which the rate applies. When the actual costs for such a period have been determined, an adjustment will be made in the negotiation following such determination to compensate for the difference between the cost used to establish the fixed rate and that which would have been used were the actual costs known at the time.
- D. NOTIFICATION TO FEDERAL AGENCIES: Copies of this document may be provided to other Federal agencies as a means of notifying them of the agreement contained herein.
- E. SPECIAL REMARKS: Please confirm your acceptance of the terms of the indirect cost rate agreement by signing and returning this letter to me. Please retain a copy for your records.

ACCEPTANCE

The undersigned official warrants
that he/she has the proper authority
to execute this agreement on
the behalf of the State Agency:

By the Federal Agency:


(Signature)

Chris Wells

(Name)

Executive Director

(Title)

MS Dept of Environmental Quality

(Agency)

4/26/21

(Date)

JACQUELINE SMITH
Digitally signed by JACQUELINE SMITH
Date: 2021.04.23 14:50:53 -0400
(Signature)

National Policy, Training and
Compliance Division
U.S. Environmental Protection
Agency

Negotiated by: Jacqueline Smith
Telephone: (202) 564-5055

Enhanced Air Quality Monitoring in the Cherokee Community of Pascagoula, Mississippi

Mississippi Department of Environmental Quality (MDEQ)

DUNS# 809399876

P.O. Box 2261

Jackson, MS 39225-2261

Melissa Fortenberry, P.E.

Chief, Air Division

601-961-5556

mfortenberry@mdeq.ms.gov

NO SET-ASIDE: This application should not be considered for funding under a set-aside.

The Mississippi Department of Environmental Quality (MDEQ) is the environmental regulatory agency charged with protecting the air, land, water, and natural resources of the State of Mississippi. Our mission is to safeguard the health, safety, and welfare of present and future generations of Mississippians by conserving and improving our environment and fostering wise economic growth through focused research and responsible regulation. In addition to implementing and enforcing both state and federal environmental laws and regulations, MDEQ has over 30 years of experience operating a multi-pollutant NAAQS ambient air monitoring network and has been involved in air toxics monitoring projects since 2001.

Partnerships: City of Pascagoula, Mississippi Jackson County, Mississippi
 Michael Silverman, City Manager Brian Fulton, County Administrator

Project Location: Cherokee Community, Pascagoula, MS 39581

Air Pollutant Scope and Qualification under this RFA:

- PM₁₀ – specifically listed in the RFA
- Volatile Organic Compounds (VOC) – ozone precursors specifically listed in the RFA
- Methane – an ozone precursor specifically listed in the RFA
- Reduced sulfur compounds - PM, ozone, & SO₂ precursors and HAP, all specifically listed in the RFA

Budget Summary:

EPA Funding Requested	Total Project Cost
\$500,000	\$500,000

Project Period: 3-year period beginning Date of Award

Short Project Description: The main objective and expected outputs of this project are the measurement of ambient concentrations of the air pollutants of greatest concern in the Cherokee Community, as identified by EPA, ATSDR, NEIC, and area citizens, for a period of one year to evaluate whether measured concentrations indicate the presence of an air quality problem that could impact human health. Activities include project planning with community partners, air monitoring, data evaluation, reporting, and public engagement during all stages of the project (i.e., planning, sample collection, and communication of results and next steps). Projected outcomes include the determination of whether air quality problems exist, the associated level of risk to the community, and opportunities to mitigate such risk including identification of possible sources of elevated concentrations.

Workplan:

Section I – Project Summary and Approach (30 total possible points)

A. Overall Project (20 possible points)

For a period of one year, MDEQ will monitor the air pollutants of greatest concern in the Cherokee Community of Pascagoula, MS, which include particulate matter smaller than 10 microns in diameter (PM₁₀), volatile organic compounds (VOC), methane, and reduced sulfur compounds. These pollutants were identified based on (1) recent communication with EPA and the Agency for Toxic Substances and Disease Registry (ATSDR) identifying these pollutants as those of concern in the area, (2) a geospatial measurement of air pollution (GMAP) investigation by the National Enforcement Investigations Center (NEIC) in the nearby Bayou Casotte Industrial Complex in 2021, and (3) a historical review of citizen complaints in the area. Specifically, these air pollutants will be monitored using the following methods and frequency:

Pollutant	Air Monitoring Methodology/Technology	Monitoring Frequency
PM ₁₀	Collection using an automatic continuous Federal Equivalent Method PM ₁₀ instrument	Continuous
Volatile Organic Compounds (VOC)	Collection using canisters and analysis using GC/MS following Compendium Method TO-15	24-hour sample collected every 1 in 6 days
Methane	Collection using canisters and analysis using GC/FID	24-hour sample collected every 1 in 6 days
Reduced Sulfur Compounds	Collection using canisters and analysis using GC/SCD following ASTM Method D5504	24-hour sample collected every 1 in 6 days

The monitoring site will consist of a fenced, climate-controlled shelter housing all monitoring, sampling, data handling, and data transfer equipment, along with any necessary supplies. PM₁₀ concentrations will be recorded continuously, while all other pollutants will be sampled for 24-hours every 6th day for a total of 61 samples in the one-year period. Commercially available air sensors designed to monitor these pollutants (if available) will be co-located at the site to obtain local, real-time air quality data trends while identifying sensor quality, reliability, ease of use, and variability from reference and/or equivalent method monitors.

The following steps will be taken to meet the objectives of the monitoring program:

1. Project Development:

- Coordinate with local project partners to develop a list of potential monitoring site locations based on proximity to local industry, meteorological data indicating location(s) of the highest air pollutant levels, other relevant scientific data, and property accessibility and availability. The most appropriate site, based on these criteria, will then be selected.
- Coordinate with local project partners to develop a plan for community engagement that ensures community awareness of the project, its progress, and results and provides opportunity for feedback throughout the project period. The community engagement plan will include details regarding the type (i.e., mailers, virtual, in person, etc.), frequency, content, and notification methods of engagement; the level of participation by project partners in engagement activities; and any other details determined relevant to provide the most effective community engagement.

- Perform appropriate community engagement, according to the community engagement plan, to inform the public and receive feedback on the planned monitoring program.
- 2. Project Implementation:
 - Procure monitoring equipment, supplies, and contracts that comply with all Federal requirements in 2 CFR Part 200 and Mississippi's procurement laws and regulations.
 - Develop or modify, as appropriate, Standard Operating Procedures, Quality Assurance Project Plans, the agency-wide Quality Management Plan, and any other QA/QC documents or procedures necessary to implement a Quality Assurance System that makes certain the highest quality data is collected and useful in making future air quality decisions in the area.
 - Prepare monitor site; set up monitoring shelter; deploy monitoring, meteorology, and sensor equipment; and begin collecting and reporting data for a period of one year.
 - Perform appropriate community engagement, as identified in the community engagement plan, during the one-year monitoring period to provide information on project progress.
- 3. Project Reporting:
 - Develop report(s) of monitored concentrations, sensor data, and comparisons. Evaluate whether data indicates the possible presence of an air quality problem in the community, specifically whether monitored pollutant concentrations indicate elevated risk to human health based on appropriate risk screening levels and/or comparison to NAAQS.
 - Determine appropriate post-project next steps, which may include the need for further data evaluation, risk characterization, identification of opportunities to mitigate risk, and identification of possible sources of any elevated pollutant levels. Note: Conducting any post-project next steps is not included in this project, project period, or budget.
 - Perform appropriate community engagement, as identified in the community engagement plan, to relay all project results to the community. At a minimum, community engagement activities will include a summary of air monitoring data; any ambient air quality problems identified; and any future actions planned to further evaluate, mitigate, or reduce any identified air quality problem in the community.

B. Project Significance (10 Possible Points)

The Cherokee Community in Pascagoula, MS is situated in close proximity to the Bayou Casotte Industrial Complex. In 2005, Hurricane Katrina destroyed much of the natural barrier that previously separated the community from the industrial complex. Since that time, MDEQ has experienced a large increase in odor and particulate matter related complaints from the community. MDEQ responds to every citizen complaint received. MDEQ's South Regional Office, located in Biloxi, MS, is responsible for responding to citizen complaints in Pascagoula and throughout the Mississippi Gulf Coast. To date, MDEQ response staff have been unable to determine the source of most citizen complaints and often do not experience the environmental conditions relayed by the complainant upon on-site arrival.

In 2016, MDEQ began a short-term air sampling project in the community whose results, according to EPA, were inconclusive due to the limited number of samples obtained and the lack of a detailed quality assurance system. In 2020, ATSDR received a petition to evaluate public health concerns in the area but ultimately denied the petition due to lack of available environmental data necessary to evaluate such concerns. ATSDR expressed to MDEQ and EPA the need to fill the gap in air quality data for this community necessary to effectively respond to similar petitions in the future. Some of the pollutants ATSDR specifically listed as being of greatest concern in this community are VOCs, PM₁₀, and reduced sulfur compounds. Finally in 2021, NEIC conducted a GMAP investigation in the area of the nearby industrial complex that obtained VOC, methane, and H₂S readings they considered elevated.

This proposed multi-pollutant air quality monitoring project will obtain quality, long term monitoring data necessary to identify the presence of any air quality problem associated with the pollutants of greatest concern in the community. Co-locating low-cost air sensors with the air quality monitors will also provide real-time air quality data trends for pollutants not continuously monitored. The co-benefits of deploying low-cost air sensors at the site include the (1) identification of variability from reference and/or equivalent method monitors such that the sensors could be used to identify, with some level of accuracy, air quality problems throughout the state and (2) evaluation of sensor quality, reliability, and ease of use to determine whether additional low-cost air sensors would be a valuable, cost-effective resource for the agency.

The main concern for this community is the potential for cumulative risk associated with the proximity to an industrial complex housing multiple types of industrial sources. Socioeconomic demographics in the area include 54% people of color, 45% low-income, 13% unemployed, 14% over age 64, and a population of Spanish speaking, linguistically isolated households. The benefit of identifying whether an air quality problem exists in this community will be to (1) put citizens' minds at ease should no air quality problem be found or (2) give MDEQ and other agencies the necessary data to identify ways to mitigate any air quality problem and/or reduce any unacceptable risk to the community.

Section 2 – Community Involvement (25 total possible points)

A. Community Partnerships (15 possible points)

MDEQ has partnered with the City of Pascagoula, MS and Jackson County, MS on this project, which are the local governments within the community. The roles of these project partners include:

- Providing input and assistance to develop a list of potential monitoring site locations based on their knowledge of property availability, accessibility, and proximity to local industry.
- Providing input and assistance to develop a plan for community engagement that ensures community awareness of the project, its progress, and results and provides the opportunity for feedback throughout the project period. Planning efforts include identifying the type (i.e., mailers, virtual, in person, etc.), frequency, content, and notification methods of community engagement; the level of participation by project partners in engagement activities; and any other details determined relevant to provide the most effective community engagement.
- Awareness of project and monitor site location by local police and officials in order to assist in identifying and/or deterring tampering with the monitoring site, to the extent practicable.

MDEQ has a long history of working with local governments to address environmental concerns within the state. These partnerships are beneficial because local governments are able to provide valuable insight and knowledge regarding issues, interests, and needs of the community and its citizens. Local governments have greater access to the public, and vice versa, which helps expand the availability and distribution of information. Partnerships expand the knowledge, experience, points of view, and ideas needed to develop the most effective project possible and increase project success. Partnerships also increase project transparency, which builds trust in the community.

MDEQ has documentation of collaboration with these project partners to address environmental concerns in the community since 2014. However, these partnerships existed well before 2014. Partnership letters are included in the application package using the Other Attachments Form.

B. Community Engagement (10 possible points)

MDEQ has focused on better serving our underserved communities since 2000 when an environmental justice coordinator position was created. In 2010, the Office of Community Engagement (OCE) was established in an effort to assist Mississippi communities facing environmental issues. Through the OCE, the agency's goal is to increase knowledge of agency programs and processes through educational outreach, thereby enhancing individual and community participation in environmental decision-making. The creation of this office realized MDEQ's vision for transparency.

MDEQ's OCE began developing relationships and conducting outreach in the Cherokee Community in 2014. Engagement activities in the community continue to this day. Organizations in the community that OCE actively coordinates with include:

- Cherokee Concerned Citizens
- STEPS Coalition
- City of Pascagoula, MS
- Jackson County, MS
- Industry leaders in the Bayou Casotte Industrial Complex

The above referenced organizations will be included in all public outreach efforts for this project. MDEQ will work to identify any additional civic organizations, community groups, environmental justice groups, local environmental organizations, or other parties in the area that may have interest in this project.

MDEQ will work with the project partners identified in Section 2.A. of this application to develop a detailed plan for community engagement that ensures community awareness and the opportunity to provide feedback throughout the life of the project. This includes engagement and feedback opportunities during project planning and development; air monitoring activities; and post air monitoring activities such as data evaluation, final reporting, and identification of any future actions necessary as a result of air quality data collected. The community engagement plan will identify the type (i.e., mailers, virtual, in person, etc.), frequency, content, and notification methods of community engagement; the level of participation by project partners in engagement activities; and any other details determined relevant to provide the most effective community engagement.

Being good stewards of limited resources by providing useful, quality information to local, state, and federal partners and the public through expert execution of all agency programs is a priority at MDEQ. MDEQ will ensure that air monitoring data collected from this project is of the highest quality and useful for future project planning and decision making by having a robust quality assurance system. All validated data will be timely reported to EPA and accessible to project partners and the community.

C. Community-Based Organization Set-Aside (10 possible points)

This application should not be considered for funding under any set-aside.

Section 3 – Environmental Justice and Underserved Communities (10 total possible points)

According to information obtained from EPA's EJScreen Version 2.0, all environmental EJ Indexes for the area are at or above the 70th percentile when compared nationwide. The categories with the highest (over 75) index values include Superfund Proximity, RMP Facility Proximity, and Underground Storage Tanks. When comparing the area only with the statewide population, all environmental EJ Indexes are above the

60th percentile. The categories with the highest (over 75) index values again include Superfund Proximity, RMP Facility Proximity, and Underground Storage Tanks, as well as Traffic Proximity, Hazardous Waste Proximity, and Wastewater Discharge.

Also, according to information obtained from EPA's EJScreen Version 2.0, socioeconomic demographics in the area include 54% people of color, 45% low-income, 13% unemployed, 14% over age 64, and a significant population (4%) of Spanish speaking, linguistically isolated households. All of these demographic categories are higher in this community than the state, region, and national averages except for the "over age 64" and "linguistically isolated households" categories. While not above the state, region, and national averages, these two demographic categories are still very comparable to all three boundary averages.

Although EPA's EJScreen Version 2.0 only indicates 14% of the population in the community is over age 64, complaints received by MDEQ are generally from the elderly population in the area. This can likely be attributed to the fact that many people over age 64 are no longer employed and remain at home much of the time. Finally, disproportionate adverse health impacts may be expected in the community due to proximity of the Bayou Casotte Industrial Complex and any cumulative risk that results.

As discussed above, this project will greatly benefit (1) populations in several environmental justice socioeconomic demographic categories in the community, (2) the vulnerable and underserved elderly population who can often be homebound in the community, and (3) those who may experience adverse health impacts due to the cumulative effects of multiple environmental stressors in the area.

Section 4 – Environmental Results—Outcomes, Outputs and Performance Measures (20 total possible points)

A. Expected Project Outputs and Outcomes (10 possible points)

This proposed project supports EPA's mission to protect human health and the environment by meeting objectives identified in EPA's Draft Fiscal Year (FY) 2022-2026 Strategic Plan. Specifically, this project supports Goal 4: Ensure Clean and Healthy Air for All Communities by collecting air quality data through air pollutant monitoring of the pollutants of greatest concern in an underserved and potentially overburdened community in Pascagoula, MS. This project also meets Objective 4.1: Improve Air Quality and Reduce Localized Pollution and Health Impacts under Goal 4 of the Strategic Plan by collecting data to identify any existing air quality problems that could impact human health in the community. This project further supports Objective 4.1 by providing MDEQ and other agencies with information necessary to identify whether there is an unacceptable risk to the community and opportunities to mitigate any such risk.

General outputs of the project include working with community partners to obtain one year of ambient air concentration data for the pollutants of greatest concern in the underserved and overburdened Cherokee Community of Pascagoula, MS; obtaining air quality trends information by co-locating air sensors at the monitoring site for the same time period; and comparing monitor and sensor data to evaluate sensor variability, degradation, and drift. Other project outputs involve data compilation documents, project reports, and educational outreach information and/or publications for community engagement. Project outcomes include determining whether air quality problems exist in the community, continuing to promote existing partnerships in the community, and developing public trust. If air quality problems are identified, other expected outcomes include determining whether an unacceptable risk to the community exists as a result of ambient air quality, identification of sources of elevated ambient air pollutant concentrations, and appropriate mitigation actions. A detailed list of project outputs and projected outcomes is provided in the following table.

OUTPUTS
Coordinate with local project partners on monitoring site location and community engagement plan
Obtain one year of meteorological and ambient air concentration data for the pollutants of greatest concern in the community (PM ₁₀ , VOC, methane, reduced sulfur compounds)
Co-locate low-cost air sensors with air quality monitors to obtain real-time air quality data trends
Compare monitor and sensor data to evaluate sensor variability, degradation, and drift
Compare PM ₁₀ concentrations to the NAAQS
Compare VOC, methane, and reduced sulfur compound concentrations to appropriate, published risk screening values
Compile and communicate monitored data and data evaluations through meaningful reports
Prepare, distribute, and publish (via Agency website) educational and informative outreach information and/or publications for community engagement throughout project life
Hold public meetings to provide project information and receive feedback throughout project life
OUTCOMES (Short-term)
Obtain community baseline data for monitored pollutants
Determine whether air quality problems exist in the community
Determine ability of co-located sensors to identify air quality problems throughout the state
Evaluate sensor performance, quality, reliability, limitations, and ease of use to determine whether additional low-cost air sensors would be a valuable, cost-effective resource for the agency
Increased experience for air monitoring staff
Promote existing partnerships with local governments
Develop public trust
OUTCOMES (Long-term: If Air Quality Problems Exist)
Determine the extent or level of risk to the community
Identify the possible sources of air quality problems
Identify possible mitigation actions to reduce or eliminate air quality problems

B. Performance Measures and Plan (5 possible points)

During project planning, MDEQ will develop a detailed list of performance measures to ensure the project is completed on time and within budget. Performance measures will be both qualitative and quantitative to ensure all above outputs and outcomes are timely realized from the project. Measures will include budget tracking to ensure project stays within budget, contract management to ensure contractors provide quality, timely service in accordance with the details of contract(s), internal checks and audits to ensure the quality assurance system is being implemented and adequately followed to ensure the greatest amount of quality data is obtained from the project. MDEQ will ensure data is appropriately reported to EPA and progress reports forwarded according to the schedule prescribed under the award (i.e., quarterly, or otherwise). MDEQ will ensure monitoring data obtained is compiled; compared to risk and/or NAAQS standards or other appropriate indicators; and communicated to local partners and the community on appropriate timeframes that provide information in a logical, meaningful way allowing conclusions to be drawn about air quality and public health in the community.

The project is determined to be successful if an adequate amount of quality data is obtained to determine (1) whether an air quality problem exists; (2) whether the co-located air sensors performed well enough to

be deployed throughout the state to identify the possibility of air quality problems in other areas based on air quality trends; and (3) any appropriate next steps regarding air quality in the community.

The specific list of performance measures employed to verify and/or ensure all project goals, outputs, and outcomes are realized will include, but is not limited to, those listed in the table below.

PERFORMANCE MEASURES	
1.	Number of partnership meetings (a.) prior to monitor deployment and (b.) after deployment. <ul style="list-style-type: none"> Partners provided site information and/or participated in site selection process? Partners participated in development of community engagement plan?
2.	Number and type of community engagement activities (a.) prior to monitor deployment, (b.) during sample/data collection, and (c.) post sample/data collection (i.e., final reporting and next steps). <ul style="list-style-type: none"> Engagement activities in accordance with community engagement plan? Number of community engagement activities providing preliminary data prior to final reporting. Engagement activities provide opportunity for community feedback? Were project partners included and/or participate?
3.	Number of samples (VOC, methane, and reduced sulfur compounds) collected over life of project.
4.	Number of days with missing data (PM ₁₀) over life of project.
5.	Number of days co-located air sensors not operating.
6.	Expenses routinely tracked to ensure award is spent on authorized costs, in accordance with contractual agreements, and remain within budget?
7.	Number of timely quarterly progress reports to EPA.
8.	Timely (i.e., within project period) reporting of monitored data and comparisons to risk values/NAAQS?
9.	Timely (i.e., within project period) evaluation of sensor data to determine ability to demonstrate air quality trends?
10.	Timely (i.e., within project period) determination and reporting of whether air quality problems exist?
11.	Timely (i.e., within project period) determination and reporting of anticipated next steps?

C. Timeline and Milestones (5 possible points)

The following table lists the anticipated timeline of the proposed project. These dates may shift based on date of award, difficulty in the procurement process due to ongoing supply chain issues as a result of the COVID-19 pandemic, and problems encountered during site set-up or sample/data collection.

ANTICIPATED PROJECT TIMELINE		
Start Date	Due Date	Activity/Milestones
---	November 1, 2022	Date of award
November 1, 2022	January 31, 2023	Develop list of potential site locations with project partners
November 1, 2022	January 31, 2023	Develop Community Engagement Plan with project partners
November 8, 2022	January 31, 2023	Order equipment and secure contracts in accordance with all applicable procurement laws
February 1, 2023	February 28, 2023	Pre-monitor deployment community engagement: Inform community of upcoming project and receive feedback

Start Date	Due Date	Activity/Milestones
---	March 15, 2023*	1st Quarterly Report to EPA Grant Administrator (Project Period November 1, 2022 - January 31, 2023)
March 1, 2023	April 30, 2023	Monitor site preparation and shelter installation
May 1, 2023	June 1, 2023	Equipment installation
---	July 1, 2023	Quality assurance system document (i.e., SOPs, QAPPs, etc.) development, finalization, and distribution
June 1, 2023	July 1, 2023	Training of Field Operations Coordinators and Project Staff
---	July 1, 2023	Begin monitoring/sampling
---	August 1, 2023	Begin data analysis
July 1, 2023	June 30, 2024	Conduct appropriate community engagement activities (i.e., educational outreach or meetings) during monitoring period
---	June 30, 2024	End monitoring/sampling
July 1, 2024	August 31, 2024	Conduct appropriate community engagement activities (i.e., educational outreach or meetings) at conclusion of monitoring /sampling to relay project next steps and receive feedback
---	October 31, 2024	Finalize data analysis to determine whether air quality problems exist
---	November 30, 2024	Finalize analysis of air sensor data to determine ability to demonstrate air quality trends and identify variability from reference method monitoring
---	February 1, 2025	Final determination of post-project next steps (i.e., further data evaluation to quantify risk, identify sources of air quality problems, identify mitigation measures, if any, etc.)
---	March 1, 2025	Final reporting to community partners including planned post-project next steps
---	March 31, 2025	Conduct appropriate community engagement to provide final reports, post-project next steps, and receive feedback
---	June 15, 2025	Final Project Report to EPA
---	October 31, 2025	Project Period officially ends

*Note: MDEQ will submit Quarterly Reports to the EPA Grant Administrator within 45 days of the end of each quarter in the Project Period. Each Quarterly Report is not specifically listed in the table in the interest of space.

Section 5 – Quality Assurance Statement (5 total possible points)

See statement submitted using the Other Attachments Form.

Section 6 – Programmatic Capability and Past Performance (15 total possible points)

A. Past Performance (5 possible points)

The five most recently closed (or near closed, based on project period end dates of 3/31/2022) cooperative or assistance agreements between EPA and MDEQ administered by MDEQ's Air Division are listed below. MDEQ successfully administered all five grant agreements according to the approved workplans in spite of difficulties encountered during the COVID-19 pandemic, whose effects are still felt today. All commitments were completed timely and within budget. MDEQ currently administers awards,

with in-progress project periods, for every type of grant agreement listed below. MDEQ successfully administers all grant agreements by assigning competent project managers, providing trained staff, and allocated appropriate resources to implement projects.

PAST EPA GRANT AGREEMENTS
FY 2021 CAA Section 105 Performance Partnership Grant (Project Period 10/01/2020 – 09/30/2021)
FY 2020 CAA Section 105 Performance Partnership Grant (Project Period 10/01/2019 – 09/30/2020)
2020 CAA Section 103 PM _{2.5} Ambient Air Monitoring Network Grant (Grant # 01D05720; Project Period 04/01/2020 – 03/31/2022)
2019 DERA Grant (Grant # 00D93219; Project Period 10/01/2019 – 03/31/2022)
2016 TSCA Lead-Based Paint PPG (Grant # 01D16620; Project Period 07/01/2016 – 06/30/2020)

B. Reporting Requirements (5 possible points)

All reporting requirements under each listed grant agreement were timely completed, with reports including all required metrics to indicate progress towards achieving expected outputs and outcomes. All Technical Project Officers and Administrative Project Officers reported successful completion of grant requirements during grant closeout.

C. Staff Expertise (5 possible points)

MDEQ has over 30 years of experience operating a multi-pollutant ambient air monitoring network to evaluate state-wide compliance with the NAAQS and has been involved in various air toxics monitoring projects since 2001. Air toxics monitoring projects include participation in EPA's Urban Air Toxics Monitoring Program, School Air Toxics Monitoring Initiative, and efforts to evaluate air quality in the Gulf Coast Region after Hurricane Katrina. MDEQ also partnered with EPA to conduct an Ambient Air Toxics Monitoring Study in Columbus, MS after the National Air Toxics Assessment indicated elevated concentrations of hazardous air pollutants in the area. Ambient air monitoring experience of staff involved in this project range from 1 year to over 25 years. Specifically, the Project Manager has over 20 years of air toxics monitoring experience and currently manages Mississippi's Ambient Air Monitoring Network.

Section 7 – Budget (20 total possible points)

A. Budget Detail (5 possible points)

MDEQ will provide no matching funds or cost-share for this project; therefore, EPA will cost-share 100% of project period costs. See Budget Table below for a detailed breakout by funding type of the proposed project budget. It is important to note that MDEQ cannot propose any budget or submit any budget document that does not comply with the rules and regulations of the Mississippi Department of Finance and Administration (MDFA); therefore, budgeted items are included in the specific categories as required by MDFA and may not be consistent with Object Class Categories listed in Section 7.a. of App. A of the RFA.

Activities in the "Contractual" Object Class Category include power service to the monitoring site; cellular service for data transfer; and sampler equipment rental and sample analysis for VOC, methane, and reduced sulfur compounds. Contracts for sampler equipment rental and sample analysis of these compounds will exceed \$3,500. MDEQ will reduce these contractual costs to the extent practicable by selecting competitive, yet reputable, vendors to ensure cost-effective, quality data is obtained in accordance with all Federal and State procurement laws and regulations.

It is important to note that the Teledyne API T640X is specified as the brand and model instrument for monitoring PM₁₀ under this project, as it is the only automatic, continuous EPA designated FEM for monitoring PM₁₀. See [List of Designated Reference and Equivalent Methods.pdf](#)

BUDGET TABLE	
Line Item & Itemized Cost	EPA Funding
PERSONNEL	
Project Manager @ \$90,527 x 0.45 FTE	\$ 40,737
Field Op. Coord. & QA/QC Mgr. - Air Toxics @ \$83,092 x 0.45 FTE	\$ 37,391
Field Op. Coord. & QA/QC Mgr. - PM ₁₀ @ \$65,959 x 0.20 FTE	\$ 13,192
Project Staff - Meteorology @ \$55,368 x 0.10 FTE	\$ 5,537
Project Staff - Air Toxics @ \$48,523 x 0.35 FTE	\$ 16,983
Project Staff - Air Toxics @ \$44,112 x 0.35 FTE	\$ 15,439
Project Staff - PM ₁₀ @ \$44,399 x 0.05 FTE	\$ 2,220
Project Staff - PM ₁₀ @ \$40,844 x 0.05 FTE	\$ 2,042
Project Staff - PM ₁₀ @ \$40,844 x 0.10 FTE	\$ 4,084
Project Staff - PM ₁₀ @ \$43,706 x 0.10 FTE	\$ 4,371
Project Staff - PM ₁₀ @ \$53,699 x 0.05 FTE	\$ 2,685
Project Staff - PM ₁₀ @ \$40,744 x 0.03 FTE	\$ 1,412
TOTAL PERSONNEL	\$ 146,093
FRINGE BENEFITS	
33.5% of Salary @ 33.5% x Total Personnel	
- Social Security, Medicare, Retirement, Health Insurance, Workers Comp.	\$ 48,941
TOTAL FRINGE BENEFITS	\$ 48,941
TRAVEL	
Project Trips = 86; 400 miles each x 0.585/mile	\$ 20,124
Project Trips = 61 trips x 1 staff; \$46/person per diem	\$ 2,806
Project Trips = 25 trips x 2 staff; \$46/person per diem	\$ 2,300
TOTAL TRAVEL	\$ 25,230
EQUIPMENT	
Monitoring Shelter with Steps, Railing, Security Fencing, and Access Gate	\$ 22,500
Data Logger for Recording PM ₁₀ data	\$ 9,500
Teledyne API T640X for monitoring PM ₁₀	\$ 40,000
Portable Meteorological/Weather Station	\$ 5,500
Project Related Air Sensors (specific models undetermined at this time)	\$ 10,000
Laptop Computer	\$ 2,000
TOTAL EQUIPMENT	\$ 89,500
SUPPLIES	
Outreach Supplies (ink, paper, office supplies, etc.)	\$ 2,785
Supplies for Site Setup (power pole, meter, air conditioning, tubing, insulation, etc.)	\$ 2,500
Replacement Filters for Teledyne API T640X	\$ 200
Modem to Transmit PM ₁₀ data	\$ 500
TOTAL SUPPLIES	\$ 5,985

BUDGET TABLE CONT.	
Line Item & Itemized Cost	EPA Funding
CONTRACTUAL	
Time Integrated Sampler/Flow Controller Rental for VOC, methane, and reduced sulfurs sampling (12 months)	\$ 11,500
Lab Analysis using Compendium Method TO-15 for VOC @ \$550/event for 61 events	\$ 33,550
Lab Analysis for methane @ \$76/event for 61 events	\$ 4,636
Lab Analysis using ASTM Method D5504 for reduced sulfurs @ \$550/event for 61 events	\$ 33,550
Power to Monitoring Site @ \$100/month for 12 months	\$ 1,200
Cell Service to Monitoring Site for Modem @ \$50/month for 12 months	\$ 600
Facility Rental for Community Engagement Meetings @ approx. \$800/meeting x 5	\$ 4,000
TOTAL CONTRACTUAL	\$ 89,036
INDIRECT COSTS	
See Indirect Cost Agreement attached to SF-424A	\$ 95,215
TOTAL INDIRECT	\$ 95,215
TOTAL FUNDING	\$ 500,000
TOTAL PROJECT COST	\$ 500,000

B. Reasonableness of Costs (10 possible points)

The costs associated with this project are consistent with the number and complexity of pollutants proposed for monitoring for a period of one year. Personnel, Fringe, and Indirect costs makeup almost 2/3 of project costs. These costs are consistent with the need for a variety of staff with diverse expertise to monitor such a range of complex pollutants along with the time necessary (expressed in FTEs) to complete the project. Travel costs are consistent with the distance from MDEQ headquarters to the community (i.e., monitoring location), frequency of sample events, and community engagement efforts. Equipment and Contractual costs associated with pollutant monitoring, sample collection, laboratory analysis, and monitor site operation are consistent with those throughout EPA, state, and local criteria pollutant (i.e., NAAQS) ambient air monitoring networks and EPA air toxics monitoring programs. Proposed Supplies costs for monitor site and equipment maintenance and operation, costs of small Equipment such as co-located, low-cost air sensors, and Contractual costs for community engagement meeting locations are minimal; however, MDEQ will make every effort to minimize these costs when selecting equipment and vendors.

MDEQ will make every effort to reduce project costs to the extent practicable without sacrificing data/project quality or usefulness. Successfully completing project goals, outputs, and outcomes are of utmost importance.

C. Expenditure of Awarded Funds (5 possible points)

Once grant funds are awarded, the Project Manager will begin implementing the project according to the Project Timeline listed in this application until completion. MDEQ's Budget Bureau will draw down funds as expeditiously as practicable in accordance with applicable Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards in 2 CFR 200.305(a), as with all other Federal grant awards administered by MDEQ.